

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| L1    | 1    | 10/564473  | US-PGPUB;<br>USPAT   | OR               | ON      | 2009/08/12 14:19 |
| S1    | 12   | ((MASAKI) near2 (MURASE).INV.                            | US-PGPUB;<br>USPAT   | OR               | ON      | 2008/09/30 16:58 |
| S2    | 112  | ((YOSHIHARU) near2 (NAKAJIMA).INV.                       | US-PGPUB;<br>USPAT   | OR               | ON      | 2008/09/30 16:59 |
| S3    | 42   | ((YOSHITOSHI) near2 (KIDA).INV.                          | US-PGPUB;<br>USPAT   | OR               | ON      | 2008/09/30 16:59 |
| S4    | 118  | tft and lcd and dummy near1 data                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/09/30 17:03 |
| S5    | 17   | tft and lcd and dummy near1 data and delay<br>near1 time | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/09/30 17:06 |
| S6    | 0    | 09-212138  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/09/30 17:08 |
| S7    | 0    | 9-212138   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/09/30 17:08 |
| S8    | 0    | 10-017371  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/09/30 17:08 |

## EAST Search History (Prior Art)

|     |    |                   |  |    |    |                  |
|-----|----|-------------------|--|----|----|------------------|
| S9  | 10 | "10017371"        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/30 17:08 |
| S10 | 1  | 1998-140833.NRAN. | DERWENT  | OR | ON | 2008/09/30 17:09 |
| S11 | 1  | 1998-140833.NRAN. | DERWENT  | OR | ON | 2008/09/30 17:09 |
| S12 | 2  | "10285428"        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/30 17:09 |
| S13 | 2  | "09018807"        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/30 17:10 |
| S14 | 1  | 1997-139174.NRAN. | DERWENT  | OR | ON | 2008/09/30 17:10 |
| S15 | 2  | "2002189456"      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/30 17:10 |
| S16 | 3  | "05094156"        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/30 17:11 |
| S17 | 1  | 1993-162619.NRAN. | DERWENT  | OR | ON | 2008/09/30 17:11 |
| S18 | 3  | "2001109438"      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/30 17:11 |
| S19 | 1  | 2001-371090.NRAN. | DERWENT  | OR | ON | 2008/09/30 17:11 |

## EAST Search History (Prior Art)

|     |       |  |  |    |    |                  |
|-----|-------|--|--|----|----|------------------|
| S20 | 45678 | time same delay same logic                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/30 17:13 |
| S21 | 292   | time same delay same logic same dummy                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/30 17:13 |
| S22 | 292   | time same delay same logic same dummy<br>same logic        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/30 17:13 |
| S23 | 151   | time same delay same logic same dummy<br>same input        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/30 17:15 |
| S24 | 1     | 2005-595289.NRAN.  | DERWENT  | OR | ON | 2008/09/30 17:16 |
| S25 | 3218  | time same delay and level near1 shifter                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/30 17:19 |
| S26 | 336   | time same delay and level near1 shifter and<br>tft         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/30 17:19 |
| S27 | 181   | time same delay and level near1 shifter and<br>tft and lcd | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/30 17:19 |

## EAST Search History (Prior Art)

|     |      |  |  |    |    |                  |
|-----|------|--|--|----|----|------------------|
| S28 | 3    | time same delay and level near1 shifter and tft and lcd and (dummy near1 data)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/30 17:21 |
| S29 | 9    | level near1 shifter and tft and logic and (dummy near1 data)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/30 17:25 |
| S30 | 1    | 10/564473  | US-PGPUB; USPAT  | OR | ON | 2009/03/03 13:06 |
| S31 | 2208 | delay near2 time same correction same circuit  | US-PGPUB; USPAT  | OR | ON | 2009/03/03 13:07 |
| S32 | 164  | delay near2 time same correction same circuit same logic   | US-PGPUB; USPAT  | OR | ON | 2009/03/03 13:07 |
| S33 | 4    | delay near2 time same correction same circuit same logic and level near2 shifter   | US-PGPUB; USPAT  | OR | ON | 2009/03/03 13:15 |
| S34 | 1    | delay near2 time same correction same circuit same dummy and level near2 shifter   | US-PGPUB; USPAT  | OR | ON | 2009/03/03 13:17 |
| S35 | 23   | delay near2 time same correction same circuit and level near2 shifter  | US-PGPUB; USPAT  | OR | ON | 2009/03/03 13:18 |
| S36 | 2    | delay near2 time same correction same circuit and level near2 shifter and dummy  | US-PGPUB; USPAT  | OR | ON | 2009/03/03 13:19 |
| S37 | 6045 | dummy near1 data   | US-PGPUB; USPAT  | OR | ON | 2009/03/03 13:24 |
| S38 | 135  | dummy near1 data and level near shifter  | US-PGPUB; USPAT  | OR | ON | 2009/03/03 13:24 |
| S39 | 137  | dummy near1 data and level near3 shifter   | US-PGPUB; USPAT  | OR | ON | 2009/03/03 13:24 |
| S40 | 82   | blank near1 data and level near3 shifter   | US-PGPUB; USPAT  | OR | ON | 2009/03/03 13:29 |
| S41 | 13   | ("20010050678"   "20020109652"   "4890097"   "5119082"   "5311205"   "5946068"   "6160535"   "6229513"   "6236388"   "6266038"   "6512505"   "6812908"   "7167153").PN. OR ("7259739").URPN. | US-PGPUB; USPAT; USOCR                                   | OR | ON | 2009/03/03 13:56 |
| S42 | 2    | dummy near1 data same horizontal same blanking same period   | US-PGPUB; USPAT  | OR | ON | 2009/03/03 14:47 |
| S43 | 1    | 10/564473  | US-PGPUB; USPAT  | OR | ON | 2009/03/03 16:19 |
| S44 | 1035 | "Low Temperature Polysilicon" and lcd  | US-PGPUB; USPAT  | OR | ON | 2009/03/03 16:55 |

## EAST Search History (Prior Art)

|     |      |  |                        |    |    |                  |
|-----|------|--|------------------------|----|----|------------------|
| S45 | 66   | "Low Temperature Polysilicon" and lcd and dummy  | US-PGPUB; USPAT        | OR | ON | 2009/03/03 16:55 |
| S46 | 2    | "Low Temperature Polysilicon" and lcd and dummy and cgs  | US-PGPUB; USPAT        | OR | ON | 2009/03/03 16:56 |
| S47 | 100  | "Low Temperature Polysilicon" and "Continuous Grain Silicon"   | US-PGPUB; USPAT        | OR | ON | 2009/03/03 16:57 |
| S48 | 53   | "Low Temperature Polysilicon" and "Continuous Grain Silicon" and lcd   | US-PGPUB; USPAT        | OR | ON | 2009/03/03 16:57 |
| S49 | 13   | ((MASAKI) near2 (MURASE)).INV.   | US-PGPUB; USPAT        | OR | ON | 2009/08/12 09:26 |
| S50 | 131  | ((YOSHIHARU) near2 (NAKAJIMA)).INV.  | US-PGPUB; USPAT        | OR | ON | 2009/08/12 09:26 |
| S51 | 50   | ((YOSHITOSHI) near2 (KIDA)).INV.   | US-PGPUB; USPAT        | OR | ON | 2009/08/12 09:26 |
| S52 | 4132 | 345/204.ccls.  | US-PGPUB; USPAT        | OR | ON | 2009/08/12 09:31 |
| S53 | 25   | ("4346378"   "4447812"   "4602292"   "4633242"   "4651148"   "4679043"   "4682858"   "4701799"   "4779085").PN. OR ("4917468").URPN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/12 09:32 |
| S54 | 21   | ("4667179"   "4785297"   "5017914"   "5384496"   "5400050"   "5412397"   "5654733"   "5731796"   "5739804"   "5739805"   "5748165"   "5754152"   "5764216"   "5818406"   "6078368"   "6191768").PN. OR ("6873312").URPN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/12 09:32 |
| S55 | 3    | ("20020145602"   "20020149556"   "6873312").PN. OR ("7372443").URPN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/12 09:32 |
| S56 | 32   | ("4981340"   "5161042"   "5218232"   "5251050"   "5351145"   "5412240"   "5434441"   "5500538"   "5543947"   "5606340"   "5644373"   "5650636"   "5654914"   "5668650"   "5706021"   "5708485"   "5717473"   "5736462"   "5757054"   "5812231"   "5908315"   "5917224").PN. OR ("6078368").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/12 09:33 |
| S57 | 12   | ("5296877"   "5398043"   "5442370"   "5561442"   "5602560"   "5619221").PN. OR ("5754152").URPN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/12 09:33 |
| S58 | 52   | ("4180813"   "4427978"   "4488150"   "4743096"   "4766430"   "4859998").PN. OR ("5017914").URPN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/12 09:33 |
| S59 | 26   | ("5361343"   "5440718"   "5761694"   "5815136"   "5945974"   "6025822"   "6049321"   "6111557"   "6223265"   "6339417"   "6472684"   "6873312").PN. OR ("7180495").URPN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/12 09:34 |

## EAST Search History (Prior Art)

|     |     |  |                              |    |    |                  |
|-----|-----|--|------------------------------|----|----|------------------|
| S60 | 26  | ("4388621"   "5151689"   "5325195"   "5408267").PN. OR ("5764216").URPN.                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/08/12 09:34 |
| S61 | 21  | ("5724036"   "5739805"   "5764216").PN. OR ("5877717").URPN.                                     | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/08/12 09:34 |
| S62 | 78  | ("4368523"   "4770501"   "4775861"   "4855724"   "4931787").PN. OR ("5151689").URPN.             | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/08/12 09:34 |
| S63 | 969 | 345/63.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/08/12 09:35 |
| S64 | 1   | 10/564473  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/08/12 09:46 |
| S65 | 5   | "5736972"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/08/12 09:52 |
| S66 | 3   | level near2 shifter same dummy near4 data  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/08/12 09:58 |
| S67 | 26  | (horizontal near3 blanking near3 period) same dummy  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/08/12 10:02 |
| S68 | 220 | delay same time same logic same circuit same dummy   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/08/12 10:04 |
| S69 | 16  | delay same time same logic same circuit same dummy near3 data                                    | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/08/12 10:04 |
| S70 | 21  | delay same time same logic same dummy near3 data   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/08/12 10:08 |
| S71 | 281 | delay same time same logic same dummy  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/08/12 10:11 |
| S72 | 7   | ("6269051"   "6369601"   "6392641"   "6684355"   "6707735"   "6768357").PN. OR ("7085982").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/08/12 10:19 |
| S73 | 66  | polysilicon same low same level same delay   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/08/12 10:21 |
| S74 | 12  | ("3801831"   "5502406"   "5646642"   "6081131"   "6107857").PN. OR ("6593920").URPN.             | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/08/12 10:31 |
| S75 | 1   | "11147003"   | US-PGPUB;<br>USPAT           | OR | ON | 2009/08/12 10:38 |

## EAST Search History (Prior Art)

|     |     |  |  |    |     |                  |
|-----|-----|--|--|----|-----|------------------|
| S76 | 5   | ("5402125"   "5469476"   "5867545"   "6008680"   "6121815").PN. OR ("7205812").URPN.             | US-PGPUB; USPAT; USOCR                             | OR | ON  | 2009/08/12 10:38 |
| S77 | 479 | (dummy blank) same logic same ((low near3 level) (activity))                                     | US-PGPUB; USPAT; USOCR                             | OR | ON  | 2009/08/12 10:55 |
| S78 | 52  | (dummy blank) same logic same ((low near3 level) (activity)) same delay                          | US-PGPUB; USPAT; USOCR                             | OR | ON  | 2009/08/12 10:56 |
| S79 | 322 | (dummy) and logic same ((low near3 level) (activity)) same delay                                 | US-PGPUB; USPAT; USOCR                             | OR | ON  | 2009/08/12 11:02 |
| S80 | 337 | (dummy) and logic same ((low near3 level) (activity) blank) same delay                           | US-PGPUB; USPAT; USOCR                             | OR | ON  | 2009/08/12 11:03 |
| S81 | 4   | (dummy) and logic same ((low near3 level) (activity) blank) same (delay near4 variat\$4)         | US-PGPUB; USPAT; USOCR                             | OR | ON  | 2009/08/12 11:03 |
| S82 | 301 | (dummy) near3 data and skew  | US-PGPUB; USPAT; USOCR                             | OR | ON  | 2009/08/12 11:05 |
| S83 | 219 | (dummy) near3 data and skew and logic  | US-PGPUB; USPAT; USOCR                             | OR | ON  | 2009/08/12 11:05 |
| S84 | 14  | (dummy) near3 data same skew and logic   | US-PGPUB; USPAT; USOCR                             | OR | ON  | 2009/08/12 11:06 |
| S85 | 52  | dummy same logic same (speed fast\$4) same delay   | US-PGPUB; USPAT                                    | OR | ON  | 2009/08/12 12:08 |
| S86 | 9   | ("5432823"   "5452324"   "5790612"   "6144713"   "6205191"   "6289068").PN. OR ("6529571").URPN. | US-PGPUB; USPAT; USOCR                             | OR | ON  | 2009/08/12 12:16 |
| S87 | 4   | (("5469476") or ("5402125")).PN.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/12 12:25 |
| S88 | 0   | ("hysterisisssamedelayssamedummy").PN.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/12 12:28 |
| S89 | 1   | hysterisis same delay same dummy   | US-PGPUB; USPAT                                    | OR | ON  | 2009/08/12 12:28 |
| S90 | 1   | hysterisis and delay same dummy  | US-PGPUB; USPAT                                    | OR | ON  | 2009/08/12 12:28 |

## EAST Search History (Prior Art)

|      |     |  |                              |    |    |                  |
|------|-----|--|------------------------------|----|----|------------------|
| S91  | 703 | gate same delay same dummy   | US-PGPUB;<br>USPAT           | OR | ON | 2009/08/12 12:28 |
| S92  | 196 | gate same delay same dummy same data                                 | US-PGPUB;<br>USPAT           | OR | ON | 2009/08/12 12:28 |
| S93  | 33  | gate same delay same dummy near1 data                                | US-PGPUB;<br>USPAT           | OR | ON | 2009/08/12 12:29 |
| S94  | 3   | ("5254883"   "6034555").PN. OR<br>("6339345").URPN.                  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/08/12 12:37 |
| S95  | 21  | gate same (low near3 level) same dummy<br>near1 data                 | US-PGPUB;<br>USPAT           | OR | ON | 2009/08/12 12:41 |
| S96  | 43  | (gate logic) same (low near3 level) same<br>dummy near1 data         | US-PGPUB;<br>USPAT           | OR | ON | 2009/08/12 12:42 |
| S97  | 0   | (gate logic) same ((switching near3 speed))<br>same dummy near1 data | US-PGPUB;<br>USPAT           | OR | ON | 2009/08/12 12:46 |
| S98  | 27  | (gate logic) same ((switching near3 speed))<br>and dummy near1 data  | US-PGPUB;<br>USPAT           | OR | ON | 2009/08/12 12:46 |
| S99  | 38  | (gate logic) same ((switching near3 speed))<br>same dummy            | US-PGPUB;<br>USPAT           | OR | ON | 2009/08/12 12:47 |
| S100 | 87  | (gate logic) same ((switching)) same<br>dummy near3 data             | US-PGPUB;<br>USPAT           | OR | ON | 2009/08/12 12:50 |

## EAST Search History (Interference)

|  |  |                                |  |  |  |
|--|--|--------------------------------|--|--|--|
|  |  | <This search history is empty> |  |  |  |
|--|--|--------------------------------|--|--|--|